

# Inventions & Innovation Emerging Technology

## High Throughput Vacuum Processing for Innovative Uses of Glass

This project is developing a manufacturing process for cadmium telluride photovoltaic solar cells fabricated on glass substrates. The innovative process uses a proprietary air-to-vacuum-to-air system that allows continuous production of cadmium telluride cells rather than the slower batch process. In addition, maintenance and labor costs are lower and occupational safety is improved.



### Contact

*AVA Technologies, Inc.  
1612 Faraday Circle  
Fort Collins, CO 80525*

*Contact: Kurt Barth  
Telephone: 970-491-8411  
Email: Barth@engr.colostate.edu*



U.S. Department of Energy  
**Energy Efficiency and Renewable Energy**